

Assistant Commissioner for Patents  
Washington, D.C. 20231



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Mark James et al.

Application No.: Unassigned

Filed: March 6, 2002

For: EXCEPTION ANALYSIS FOR  
MULTIMISSIONS

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

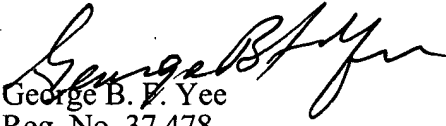
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the

Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

  
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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	Unassigned
Filing Date	March 6, 2002
First Named Inventor	Mark James
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	020859-001210US

1c971 U.S. PTO  
10/092491  
03/06/02

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	6,012,152		Douick et al.	01-04-2000	
	2	5,991,525		Shah et al.	11-23-1999	
	3	5,987,399		Wegerich et al.	11-16-1999	
	4	5,950,147		Saragapani et al.	09-07-1999	
	5	5,761,090		Gross et al.	06-02-1998	
	6	5,740,033		Wassick et al.	04-14-1998	
	7	5,661,668		Yemini et al.	08-26-1997	
	8	5,586,066		White et al.	12-17-1996	
	9	5,442,555		Reifman et al.	08-15-1995	
	10	5,408,412		Hogg et al.	04-18-1995	
	11	5,309,448		Bouloutas et al.	05-03-1994	
	12	5,210,704		Husseiny	05-11-1993	
	13	5,099,436		McCown et al.	03-24-1992	

### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			Application Number	Unassigned	
			Filing Date	March 6, 2002	
			First Named Inventor	Mark James	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
			Attorney Docket Number	020859-001210US	
Sheet	2	of	2		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	14	BROTHERTON and Mackey, "Anomaly Detector Fusion for Advanced Military Aircraft," The 2001 IEEE Aerospace Conference, Big Sky, Montana, March 2001.	
	15	COLGREN et al. "Technologies for Reliable Autonomous Control (TRAC)," IASTED '99 Control and Applications Conference, Banff, Canada, July 1999.	
	16	FUKUNAGA et al. "Toward an Application Framework for Automated Planning and Scheduling," Proceedings of the International Symposium on Artificial Intelligence, Robotics, and Automation for Space, Tokyo, Japan, July 1997.	
	17	JAMES AND ATKINSON "Software for Development of Expert Systems," NASA Tech Briefs, Vol. 14, No. 6, June 1990.	
	18	JAMES AND DUBON "An Autonomous Diagnostic and Prognostic Monitoring System for NASA's Deep Space Network", The 2001 IEEE Aerospace Conference, Big Sky, Montana, March 2001.	
	19	MEYER et al. "The Application of Neural Networks to the SSME Startup Transient," AIAA paper 91-2530 27th Joint Propulsion Conference (1991).	
	20	SCHAEFER et al., "Technologies for Reliable Autonomous Control (TRAC) of UAVs," The 2001 IEEE Aerospace Conference, Big Sky, Montana, March 2001.	
	21	TAKEN "Detection Strange Attractors on Turbulence" and "Dynamical Systems and Turbulence," <u>Lecture Notes in Mathematics</u> , Vol. 898 (Warwick 1980), Springer-Verlag.	
	22	WHEELER et al. "SSME Sensor Modeling Using Radial Basis Function Neural Networks," J. of Spacecraft and Rockets 31:1054-1060 (1994).	
	23	ZAK "Physical Models of Cognition," Int. J. of Theoretical Physics 33:1113-1161 (1994).	
	24	ZAK "Postinstability Models in Dynamics," Int. J. of Theoretical Physics 33:2215-2281 (1994).	

Examiner Signature	Date Considered
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